



GBHS-1-26617

PRESENT CLAIMS FOR APPLICATION NO. 10/646,089

1. (Canceled)
2. The method of Claim 3, wherein the pressurized flow of air is sufficient to break the surface tension of at the first orifice to cause vaporization of the droplets of the liquid bird repellent solution.
3. A method for dispersing a liquid bird repellent solution, the method comprising:
 - delivering a pressurized flow of air through a jet;
 - sending a liquid bird repellent solution to an orifice; and
 - dispersing the liquid bird repellent solution in the pressurized flow of air,
 - filtering the droplets entrained in the flow of air to cause removal of droplets in excess of 20 microns in diameter from the dispersed liquid bird repellent solution,
 - wherein the jet being spaced sufficiently apart from the orifice to allow the flow of air to entrain droplets of the liquid bird repellent solution into the flow of air from the jet.
4. The method of Claim 3, further comprising collecting filtered droplets.
5. The method of Claim 3, wherein dispersing is performed using a fan.
6. The method of Claim 3, wherein the orifice includes a plurality of orifices and the jet includes an plurality of jets each of which correspond to an orifice.

7. The method of Claim 3, wherein delivering the flow of air includes delivering the flow of air at predetermined intervals.

8. A machine for dispersing a liquid bird repelling solution, the machine comprising:

a housing configured to receive the liquid bird repelling solution in a reservoir, the housing defining an airspace and including an exhaust port;

a first conduit having an orifice, the first conduit being configured to conduct the liquid bird repelling solution from the reservoir to an orifice, the orifice being located within the airspace; and

a second conduit having a jet, the second conduit configured to conduct pressurized air at the jet within the housing, the jet being spaced sufficiently apart from the orifice to allow the pressurized air to entrain the liquid bird repellent solution out of the orifice and create a mist of the entrained liquid bird repellent solution.

9. The machine of Claim 8, wherein the pressurized air is sufficient to vaporize the liquid bird repellent solution.

10. The machine of Claim 8, wherein the exhaust port includes a filter configured to filter the created mist of droplets in excess of 20 microns in diameter.

11. The machine of Claim 10, wherein the filter is additionally configured to conduct the coalesced droplets to the liquid conduit.

12. The machine of Claim 8, further comprising a fan configured to propel the created mist.

13. The machine of Claim 8, wherein the first conduit includes a plurality of orifices and the second conduit includes an plurality of jets.

14. The machine of Claim 8, wherein the second conduit is configured to release a flow of air at predetermined intervals.

15. The machine of Claim 9, wherein the pressurized air passes over a surface of the orifice to reduce air pressure at the surface for drawing the bird repellant solution, thus producing a venturi effect.

16. A method for dispersing a bird repellant, comprising:
providing a tank defining an interior space;
placing a quantity of bird repellant in liquid form within the interior space of the tank;
providing a nozzle assembly including at lease one nozzle in fluid communication with the interior space of the tank, the at least one nozzle including a discharge aperture;
providing an air-pressurizing source;
atomizing a portion of the bird repellant by moving air over the discharge aperture of the at least one nozzle via the air-pressurizing source, thereby providing an atomized bird repellant; and
filtering the atomized bird repellant through a filter member.

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